Serial No.: 09/912,109

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1   LISTING OF THE CLAIMS

3   WHAT IS CLAIMED IS:

4   (1) (Currently amended) A method for browsing the Web on the Internet, comprising using a

5   browserless broadcast system which includes:

6   providing a transmitting unit for compressing video data in accordance with a

7   predetermined compression scheme and transmitting the compressed data;

8   and providing a receiving unit for receiving and decoding the transmitted video data and

9   directly transmitting the data to a video display device, the method further comprising the

10   steps of:

11   converting a web page transmitted to the transmitting unit from the Internet into video data;

12   compressing the video data in accordance with the predetermined compression scheme;

13   transmitting the compressed video data;

14   receiving and decoding the transmitted video data using the receiving unit to directly transmit the

15   decoded data to a video display device, without requiring a browser application; and

16   establishing an association between a link provided to the video data and a position of a cursor in

17   the video data transmitted to the video display device by comparing a position coordinate of the

18   cursor with coordinates of points included in area links linked to other web pages and the like.

19   (2) (previously presented) The method according to claim 1, wherein:

DOCKET NUMBER: JP920000036US1

Serial No.: 09/912,109

1   said step of converting a web page comprises providing the link to the video data on the basis of

2   a link provided to the web page, and

3   said step of transmitting the compressed video data comprises transmitting the compressed video

4   data and information about the link.

5   (3) (original) The method according to claim 2, wherein said step of providing a link to the

6   video data comprises:

7   extracting a web address linked to the link provided to the web page; and

8   placing the link in the video data on the basis of the position of the link provided to the web

9   page.

10   (4) (previously presented) The method according to claim 2 , wherein said step of receiving and

11   decoding the transmitted video data comprises:

12   decoding the received data;

13   transmitting the decoded data to the video display device; and

14   establishing an association between the information about the link provided to the received video

15   data and a position of a cursor in the video data transmitted to the video display device.

16   (5) (original) The method according to claim 1 , wherein said video data includes audio data

17   when said web page includes voice or sound.

18   (6) (original) The method according to claim 4 , further comprising the steps of:

19   sending link information to the transmitting unit when any one link provided to the data

20   transmitted to the video display device is selected; and

DOCKET NUMBER: JP920000036US1   **3/31**

Serial No.: 09/912,109

1   transmitting a web page linked to the selected link from the Internet to the transmitting unit.

2   (7) (Currently amended) The method according to claim 1 , wherein:

3   said predetermined compression scheme is an MPEG2 standard:

4   said step of converting a web page comprises providing the link to the video data on the basis of
5   a link provided to the web page:

6   said step of transmitting the compressed video data comprises transmitting the compressed video
7   data and information about the link:

8   said step of providing a link to the video data comprises:

9   extracting a web address linked to the link provided to the web page, and

10   placing the link in the video data on the basis of the position of the link provided to the
11   web page:

12   said step of receiving and decoding the transmitted video data comprises:

13   decoding the received data,

14   transmitting the decoded data to the video display device, and

15   establishing an association between the information about the link provided to the
16   received video data and a position of a cursor in the video data transmitted to the video
17   display device:

DOCKET NUMBER: JP920000036US1   **4/31**

Serial No.: 09/912,109

1   said video data includes audio data when said web page includes voice or sound; and

2   further comprising the steps of:

3   sending link information to the transmitting unit when any one link provided to the data
4   transmitted to the video display device is selected; and

5   transmitting a web page linked to the selected link from the Internet to the transmitting
6   unit.

7   (8) (previously presented) A broadcast system including:

8   a transmitting unit for compressing video data in accordance with a predetermined compression
9   scheme and transmitting the compressed data; and

10   a browserless receiving unit for receiving and decoding the transmitted video data and directly
11   transmitting the decoded data to a video display device, without requiring a browser application,

12   wherein said transmitting unit comprises:

13   means for converting a web page from the Internet into video data and providing a link to
14   the video data on the basis of a link provided to the web page;

15   means for compressing the video data in accordance with said predetermined
16   compression scheme; and

17   means for transmitting the compressed video data and information about the link, and

18   said receiving unit comprises:

DOCKET NUMBER: JP920000036US1   **5/31**

Serial No.: 09/912,109

1   means for sending the received data to the video display device; and

2   means for establishing an association between the link provided to the video data and a

3   position of a cursor in the video data transmitted to the video display device by

4   comparing a position coordinate of the cursor with coordinates of points included in area

5   links linked to other web pages and the like.

6   (9) (original) The broadcast system according to claim 8, wherein said link provided to the video

7   data includes:

8   a web address linked to the link provided to the web page; and

9   information about a position of the link provided to the video data in correspondence with a

10   position of the link provided to the web page.

11   (10) (original) The broadcast system according to claim 8, wherein said receiving unit includes:

12   means for selecting a link provided to the video data transmitted to the video display device; and

13   means for transmitting information about the selected link to the transmitting unit.

14   (11) (original) The broadcast system according to claim 8, wherein said video data includes

15   audio data when said web page includes voice or sound.

16   (12) (original) The broadcast system according to claim 8, wherein said compression scheme is

17   an MPEG2 standard.

18   (13) (original) An article of manufacture comprising a computer usable medium having

19   computer readable program code means embodied therein for causing browsing of the Web, the

DOCKET NUMBER: JP920000036US1   **6/31**

Serial No.: 09/912,109

1   computer readable program code means in said article of manufacture comprising computer

2   readable program code means for causing a computer to effect the steps of claim 1.

3   (14) (original) A program storage device readable by machine, tangibly embodying a program of

4   instructions executable by the machine to perform method steps for browsing the Web, said

5   method steps comprising the steps of claim 1.

6   (15) (original) A computer program product comprising a computer usable medium having

7   computer readable program code means embodied therein for causing browsing the Web, the

8   computer readable program code means in said computer program product comprising computer

9   readable program code means for causing a computer to effect the functions of the system of

10   claim 8.

11   (16) (previously presented) A method for browsing the WEB, the method comprising:

12   converting a WEB transmission from the Internet into video data;

13   compressing the video data in accordance with a predetermined compression scheme;

14   transmitting the compressed video data;

15   browserlessly receiving and decoding the transmitted video data so as to directly transmit the

16   decoded data to a video display device, without requiring a browser application; and

17   establishing an association between a link provided to the video data and a position of a cursor in

18   the video data transmitted to the video display device by comparing a position coordinate of the

19   cursor with coordinates of points included in area links linked to other web pages and the like.

20   (17) (original) The method according to claim 16, wherein:

DOCKET NUMBER: JP920000036US1   7/31

Serial No.: 09/912,109

1   said step of converting a web page comprises providing a link to the video data on the basis of a

2   link provided to the web page, and

3   said step of transmitting the compressed video data comprises transmitting the compressed video

4   data and information about the link.

5   (18) (original) The method according to claim 17, wherein said step of providing a link to the

6   video data comprises:

7   extracting a web address linked to the link provided to the web page; and

8   placing the link in the video data on the basis of the position of the link provided to the web

9   page.

10   (19) (original) An article of manufacture comprising a computer usable medium having

11   computer readable program code means embodied therein for causing browsing of the Web, the

12   computer readable program code means in said article of manufacture comprising computer

13   readable program code means for causing a computer to effect the steps of claim 16.

14   (20) (original) A program storage device readable by machine, tangibly embodying a program of

15   instructions executable by the machine to perform method steps for browsing the Web, said

16   method steps comprising the steps of claim 16.

17   (21) (New) An apparatus for browsing a Web on an Internet, comprising:

18   a transmitting unit link areas and a receiving terminal included in a broadcast system;

19   an application server in the transmitting unit link areas to convert a web page transmitted

20   from the Internet into video data of an image and sends the video data, said server provides links

21   to the image on the basis of a plurality of image links provided to the web page,

DOCKET NUMBER: JP920000036US1   **8/31**

Serial No.: 09/912,109

1   wherein:

2   upon activation of a web browser on the application server, the video data of the image is

3   sent to an MPEG2 encoder of a video server and compressed, whereupon links are set at selected

4   areas of the web page and contour coordinate data of the selected link areas are extracted by the

5   application server, each selected link area from said selected link areas being of rectangular shape

6   and described using coordinates of the four vertexes of said each selected area and each selected

7   area is defined in an HTML file, and coordinate data of said each selected area is extracted from

8   the HTML file;

9   link areas are linked to other web pages and the like;

10 while extracting coordinate data concerning the selected link areas, the application server

11 generates link information including addresses of web pages linked to the selected link areas,

12 link information containing coordinate data of all the link areas within a web page and

13 addresses of web pages linked to these areas are generated on a basis of coordinate data

14 contained in the HTML file, and sent to a multiplexer of the video server; and

15 further comprises:

16 a receiving terminal to output the video data of the image to a television;

17 an MPU of an STB establishes an association between the link information of the video

18 data of the image and a position of a cursor in the video data of the image, said receiving

19 terminal compares a position coordinate of the cursor with coordinates of points included in the

20 selected link areas, when the MPU determines that the position coordinate of the cursor is

21 positioned in any of the selected link areas , the MPU informs a user about changing an

22 appearance of the cursor, and a desired link is selected by moving the cursor using an input

23 device, wherein when the application server sends the video data of the image, the application

24 server extracts the link areas on the basis of the image links provided to the web page, and

25 generates link information including web addresses linked to the image links provided to the web

26 page and data defining the link areas on the image, and combines the link information and the

27 video data of the image compressed in accordance with the MPEG 2 standard with other MPEG

28 2 data, EPG, and the like in the multiplexer, and then transmitted from the transmitter to form

29 multiplexed data, receive and transmit the multiplexed data to a demultiplexer;

DOCKET NUMBER: JP920000036US1   **9/31**

Serial No.: 09/912,109

1   the demultiplexer to send link information to the MPU while sending video data and

2   audio data of the image to the MPEG2 decoder;

3   outputting means to output video data and audio data decoded by the decoder is

4   outputted to a television in the same manner as conventional; and displaying the image and the

5   cursor on a television screen, and to manipulate the cursor using the input device, wherein the

6   video image is reproduced without a need to use a web browser, a conventional high-speed MPU,

7   or a high-capacity memory.

DOCKET NUMBER: JP920000036US1   **10/31**